Year 6
Oakdene Primary School

End of Year Expectations

The End of Year Expectations appear as "I Can…." Statements in language that children can understand and aspire to.

Number
Number and Place Value
I can read, write, order and compare numbers up to at least 10,000,000 (ten million) and say the value of each digit. **I can round any number to a required degree of accuracy.** **I can use negative numbers in context when looking at temperature or money, counting in jumps forwards and backwards through 0.** I can solve number and practical problems that involve ordering and comparing numbers up to 10,000,000, rounding to a required degree of accuracy, using negative numbers and calculating intervals across zero.

Number
Addition and Subtraction
I can mentally calculate using a mix of the four operations. **I can solve problems with more than one step and operation and explain why I used them.** I can solve addition and subtraction word and practical problems. **I can use estimation to check answers to calculations and determine an appropriate degree of accuracy.**

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Number
Multiplication and Division
I can multiply numbers of up to 4 digits by a two-digit number using a formal written method. I can divide numbers of up to 4 digits by a two-digit number using a formal written method of long division, showing remainders, fractions or rounding as appropriate. **I can divide numbers of up to 4 digits by a two-digit number using a formal written method of short division, showing remainders, fractions or rounding as appropriate.** I can mentally calculate using a mix of the four operations and increasingly large numbers. I can identify common factors, multiples and prime numbers. I can use the order of importance of the four operations when answering questions. I can solve addition and subtraction multi-step problems, deciding which operations and methods to use and explain why they were suitable. I can solve problems involving addition, subtraction, multiplication and division. **I can use estimating to check answers and problem solving.**

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Number
Fractions
I can use common factors and multiples to simplify fractions and express fractions in the same denomination. I can compare and order fractions including those bigger than 2. I can add and subtract fractions with different denominators and mixed numbers. I can multiply simple pairs of proper fractions, writing the answer in the simplest form such as 1/4 x 1/2 = 1/8. I can divide proper fractions by whole numbers such as 1/3 ÷ 2 = 1/6. I can link a fraction with division and work out decimal fractions such as 0.378 is 3/8 as a simple fraction. I can explain the place value of any digit in a number with up to 3 decimal places and multiply or divide these by 10, 100 or 1000. I can multiply numbers less than 10 with up to 2 decimal places by whole numbers. **I can use written division methods for numbers with up to two decimal places.** **I can solve problems which require answers to be rounded to specified degrees of accuracy.** **I can use equivalences between simple fractions, decimals and percentages to help me solve problems.**

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Measurement

I can solve problems involving the calculation and conversion of units of measure, using decimal notation up to three places if I need to.

I can use, read, write and convert between standard units. I can convert measurement of length, mass, volume and time from a smaller unit to a larger unit and vice versa. I can do this using decimal notation up to three decimal places.

I can convert between miles and kilometres.

I can recognise that shapes with the same area can have different perimeters and vice versa.

I can recognise when it is possible to use formulae to find the areas or volumes of shapes.

I can calculate the areas of parallelograms and triangles.

I can calculate, estimate and compare volumes of cubes and cuboids using standard units, including cubic centimetres (cm^3) and cubic metres (m^3). I can extend this to other units e.g. mm^3 and km^3.

Geometry

Properties of Shape

I can draw 2-D shapes using dimensions and angles I am given.

I can recognise, describe and build simple 3-D shapes, including making nets.

I can compare and classify geometric shapes based on their properties and sizes. I can also find unknown angles in any triangles, quadrilaterals or regular polygons.

I can illustrate and name parts of circles, including radius, diameter and circumference. I know that the diameter is twice the radius.

I can recognise angles where they meet at a point, are on a straight line or are vertically opposite. I can then find any missing angles.

Geometry

Position and Direction

I can describe positions in all four quadrants on a full coordinate graph.
I can draw and translate simple shapes on the coordinate plane and reflect these in the axis.

Statistics

I can interpret and construct pie charts and line graphs. I can use these to solve problems.
I can calculate and interpret the mean as an average.

Ration and Proportion

I can solve problems that involve the relative sizes of two things where the missing number can be found by multiplying or dividing by whole numbers.
I can solve problems involving the calculation of percentages. I can also use percentages for comparisons.
I can solve problems involving shapes where the scale factor is known or can be found.
I can solve problems involving unequal sharing and grouping. I can use my knowledge of fractions and multiples to do this.

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Algebra

I can use simple formulae.
I can create and describe linear number sequences.
I can record missing number problems algebraically.
I can find pairs of numbers which complete an equation with two unknowns.
I can create a list of possibilities of the combination of two variables.